

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: FAIL-SAFE

Report Number: P997308

Luminaire Tested: FSP-14-L3C3-CP250-3000K-HI

Issue Date: 6/20/2025

Test Information

Test Method: LM-79-2019
Report Number: P997308
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1905-304-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/20/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: FAIL-SAFE
Catalog Number: FSP-14-L3C3-CP250-3000K-HI
Description: Fail-Safe Sealed Selectable Panel Clear Outer Lens/Frosted Inner Lens
Light Source: -
Ballast/Driver: -

Summary

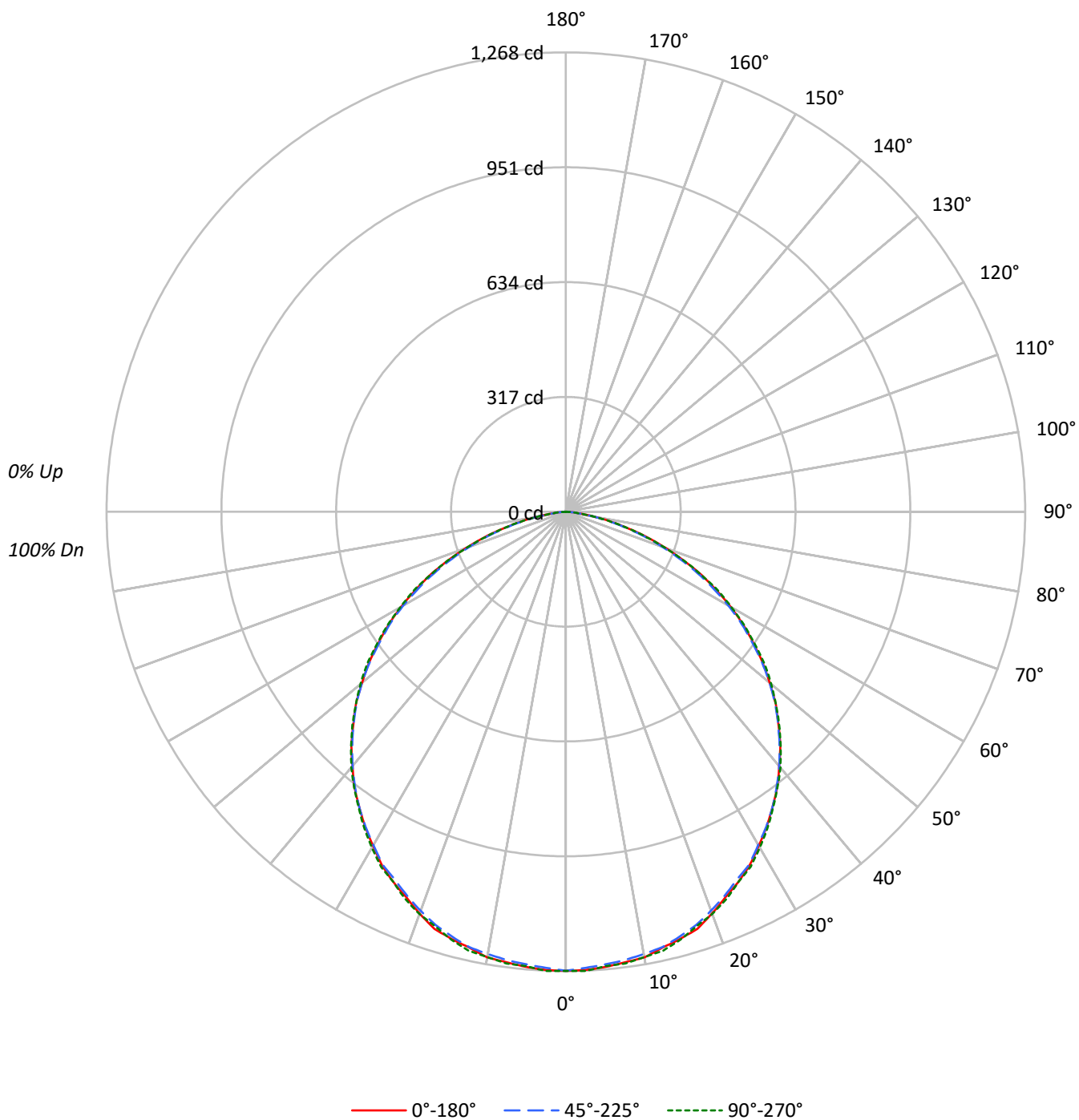
Lumens per Lamp: N/A
Luminaire Lumens: 3430.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.36
Luminous Opening: Rectangular (W 0.81' x L: 3.81' x H: 0')
CIE Type: Direct

Input Watts (W): 36.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	86	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	83	72	63	57	81	70	62	56	68	61	55		66	60	55		63
5	77	64	55	49	75	63	55	48	61	54	48		59	52	47		57
6	71	58	49	43	69	57	48	42	55	48	42		53	47	42		52
7	66	52	44	38	64	52	43	37	50	43	37		49	42	37		47
8	61	48	39	34	60	47	39	33	46	38	33		45	38	33		43
9	57	44	36	30	56	43	35	30	42	35	30		41	35	30		40
10	54	40	33	27	52	40	32	27	39	32	27		38	32	27		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4403	4403	4403
5°	4399	4374	4391
10°	4408	4374	4404
15°	4390	4368	4398
20°	4365	4334	4369
25°	4323	4290	4323
30°	4272	4262	4296
35°	4220	4220	4230
40°	4157	4157	4179
45°	4077	4071	4095
50°	3970	3970	4002
55°	3828	3799	3857
60°	3653	3603	3670
65°	3401	3301	3391
70°	2989	2891	2965
75°	2413	2315	2413
80°	1665	1617	1665
85°	722	722	722

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 4100 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	3.5
10°-20°	343.4	10.0
20°-30°	518.5	15.1
30°-40°	622.5	18.1
40°-50°	640.2	18.7
50°-60°	564.8	16.5
60°-70°	402.0	11.7
70°-80°	189.8	5.5
80°-90°	29.2	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	981.6	28.6
0°-40°	1604.1	46.8
0°-60°	2809.1	81.9
0°-90°	3430.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3430.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1267	1267	1267	1267	1267	
5°	1261	1260	1254	1264	1259	120
15°	1220	1215	1214	1219	1223	345
25°	1127	1120	1119	1126	1127	519
35°	995	990	995	1000	997	622
45°	830	827	828	834	833	640
55°	632	633	627	634	637	565
65°	414	408	402	408	412	407
75°	180	178	172	176	180	194
85°	18	19	18	18	18	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1267.2	1267.2	1267.2	1267.2	1267.2
2.5°	1266.0	1263.6	1260.0	1264.8	1268.4
5°	1261.2	1260.0	1254.0	1263.6	1258.8
7.5°	1254.0	1256.4	1248.0	1254.0	1257.6
10°	1249.2	1241.9	1239.5	1244.3	1248.0
12.5°	1232.3	1232.3	1231.1	1232.3	1240.7
15°	1220.2	1215.4	1214.2	1219.0	1222.6
17.5°	1207.0	1197.3	1196.1	1199.7	1199.7
20°	1180.4	1172.0	1172.0	1178.0	1181.6
22.5°	1151.5	1150.3	1146.7	1157.5	1157.5
25°	1127.4	1120.1	1118.9	1126.2	1127.4
27.5°	1099.6	1093.6	1097.2	1097.2	1104.5
30°	1064.7	1062.3	1062.3	1068.3	1070.7
32.5°	1030.9	1028.5	1029.7	1033.3	1035.7
35°	994.7	989.9	994.7	999.6	997.2
37.5°	958.6	956.2	956.2	959.8	959.8
40°	916.4	912.8	916.4	922.4	921.2
42.5°	876.6	871.8	873.0	879.0	877.8
45°	829.6	827.1	828.4	834.4	833.2
47.5°	786.1	782.5	783.7	783.7	786.1
50°	734.3	734.3	734.3	737.9	740.3
52.5°	684.9	683.7	682.5	688.5	692.1
55°	631.8	633.0	627.0	634.2	636.6
57.5°	580.0	580.0	575.1	578.8	584.8
60°	525.7	522.1	518.5	523.3	528.1
62.5°	467.8	465.4	459.4	463.0	476.3
65°	413.6	407.5	401.5	407.5	412.4
67.5°	353.3	348.5	341.2	347.3	353.3
70°	294.2	290.6	284.6	288.2	291.8
72.5°	237.5	231.5	226.7	231.5	233.9
75°	179.7	178.5	172.4	176.0	179.7
77.5°	129.0	126.6	123.0	129.0	129.0
80°	83.2	83.2	80.8	82.0	83.2
82.5°	47.0	44.6	43.4	45.8	44.6
85°	18.1	19.3	18.1	18.1	18.1
87.5°	3.6	2.4	3.6	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.87	18.48	17.24	18.80	19.11	16.87	18.48	17.24	18.80	19.11
	3H	18.41	19.86	18.79	20.19	20.55	18.40	19.85	18.78	20.18	20.54
	4H	18.88	20.24	19.27	20.59	20.96	18.86	20.22	19.26	20.57	20.95
	6H	19.11	20.37	19.52	20.73	21.13	19.10	20.36	19.51	20.72	21.11
	8H	19.14	20.34	19.57	20.73	21.13	19.13	20.33	19.55	20.72	21.12
	12H	19.14	20.29	19.57	20.67	21.10	19.12	20.27	19.55	20.66	21.08
4H	2H	17.42	18.78	17.82	19.13	19.51	17.42	18.78	17.82	19.13	19.51
	3H	19.14	20.28	19.55	20.68	21.08	19.13	20.27	19.54	20.66	21.07
	4H	19.70	20.72	20.13	21.14	21.57	19.68	20.70	20.11	21.12	21.55
	6H	20.02	20.90	20.47	21.34	21.80	20.00	20.89	20.46	21.33	21.79
	8H	20.06	20.89	20.53	21.34	21.80	20.05	20.88	20.51	21.32	21.79
	12H	20.08	20.82	20.56	21.30	21.76	20.06	20.80	20.54	21.28	21.75
8H	4H	19.88	20.71	20.34	21.16	21.62	19.87	20.70	20.33	21.14	21.60
	6H	20.25	20.94	20.75	21.43	21.90	20.24	20.92	20.73	21.41	21.89
	8H	20.32	20.94	20.83	21.44	21.93	20.31	20.92	20.82	21.43	21.92
	12H	20.35	20.89	20.86	21.39	21.95	20.34	20.88	20.85	21.37	21.93
12H	4H	19.88	20.63	20.36	21.10	21.57	19.87	20.61	20.35	21.09	21.56
	6H	20.25	20.86	20.76	21.37	21.86	20.24	20.85	20.75	21.36	21.84
	8H	20.35	20.89	20.86	21.38	21.95	20.34	20.88	20.85	21.37	21.93